

Section II
Soil and Site Information

Construction Materials Table 2
Shannon County, South Dakota

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Aa: Lohmiller-----	85	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.90	Poor Low strength Shrink-swell	0.00 0.38	Poor Too Clayey	0.00
AsB: Anselmo-----	85	Fair Low content of organic matter	0.12	Good		Good	
AsC: Anselmo-----	85	Fair Low content of organic matter	0.12	Good		Good	
AvE: Anselmo-----	50	Fair Low content of organic matter	0.12	Good		Fair Slope	0.04
Valentine-----	35	Poor Too sandy Wind erosion Low content of organic matter Droughty	0.00 0.00 0.12 0.71	Good		Poor Too sandy Slope	0.00 0.16
Ba: Badland-----	35	Not rated		Not rated		Not rated	
Denby-----	25	Poor Too clayey Sodium content Low content of organic matter Water erosion	0.00 0.00 0.12 0.99	Poor Low strength Shrink-swell	0.00 0.72	Poor Sodium content Too Clayey	0.00 0.00

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Interior-----	20	Poor Sodium content Low content of organic matter Water erosion Carbonate content	0.00 0.12 0.90 0.92	Poor Low strength Shrink-swell	0.00 0.87	Poor Sodium content Carbonate content	0.00 0.92
Bk: Bankard-----	90	Poor Wind erosion Droughty Low content of organic matter	0.00 0.36 0.88	Good		Fair Rock fragments Hard to reclaim	0.03 0.98
Br: Badland-----	80	Not rated		Not rated		Not rated	
Bu: Buffington-----	85	Fair Too clayey Low content of organic matter Water erosion	0.02 0.12 0.90	Poor Low strength Shrink-swell	0.00 0.12	Fair Too Clayey	0.01
CaF: Canyon-----	50	Poor Droughty Depth to bedrock Low content of organic matter	0.00 0.00 0.88	Not Rated Depth to bedrock Slope	0.00 0.00	Poor Slope Depth to bedrock Rock fragments	0.00 0.00 0.03
Oglala-----	25	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Slope Depth to bedrock	0.00 0.58	Poor Slope	0.00
Cc: Canyon-----	45	Poor Droughty Depth to bedrock Low content of organic matter	0.00 0.00 0.88	Not Rated Depth to bedrock Slope	0.00 0.00	Poor Slope Depth to bedrock Rock fragments	0.00 0.00 0.03

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Rock Outcrop, Sandstone-----	25	Not rated		Not rated		Not rated	
Cy: Denby-----	80	Poor Too clayey Sodium content Low content of organic matter Water erosion	0.00 0.00 0.12 0.99	Poor Low strength Shrink-swell	0.00 0.72	Poor Sodium content Too Clayey	0.00 0.00
DvB: Dunday-----	50	Poor Too sandy Wind erosion Low content of organic matter Droughty	0.00 0.00 0.12 0.82	Good		Poor Too sandy	0.00
Valentine-----	40	Poor Too sandy Wind erosion Low content of organic matter Droughty	0.00 0.00 0.12 0.71	Good		Poor Too sandy	0.00
Ef: Elsmere-----	60	Poor Too sandy Wind erosion Low content of organic matter Droughty	0.00 0.00 0.12 0.99	Fair Depth to saturated zone	0.76	Poor Too sandy Depth to saturated zone	0.00 0.76
Loup-----	25	Fair Low content of organic matter	0.12	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
EhF: Epping-----	50	Poor Droughty Low content of organic matter Depth to bedrock Water erosion	0.00 0.00 0.00 0.90	Not Rated Depth to bedrock Slope	0.00 0.00	Poor Slope Depth to bedrock	0.00 0.00
Kadoka-----	30	Fair Low content of organic matter Depth to bedrock Water erosion Droughty	0.50 0.58 0.90 0.98	Poor Depth to bedrock Low strength	0.00 0.00	Fair Slope Depth to bedrock Rock fragments	0.37 0.58 0.88
EkE: Epping-----	50	Poor Droughty Low content of organic matter Depth to bedrock Water erosion	0.00 0.00 0.00 0.90	Not Rated Depth to bedrock	0.00	Poor Depth to bedrock Slope	0.00 0.37
Kadoka-----	40	Fair Low content of organic matter Depth to bedrock Water erosion Droughty	0.50 0.58 0.90 0.98	Poor Depth to bedrock Low strength	0.00 0.00	Fair Slope Depth to bedrock Rock fragments	0.37 0.58 0.88
Er: Epping-----	50	Poor Droughty Low content of organic matter Depth to bedrock Water erosion	0.00 0.00 0.00 0.90	Not Rated Depth to bedrock Slope	0.00 0.00	Poor Slope Depth to bedrock	0.00 0.00
Rock Outcrop, Sandstone-----	25	Not rated		Not rated		Not rated	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
GoA: Mobridge-----	90	Fair Low content of organic matter Water erosion Too clayey	0.50 0.90 0.98	Poor Low strength Shrink-swell	0.00 0.91	Fair Too Clayey	0.97
Gr: Nihill-----	75	Fair Low content of organic matter Droughty	0.12 0.91	Poor Slope	0.00	Poor Slope Hard to reclaim Rock fragments	0.00 0.00
HhA: Haverson-----	90	Fair Low content of organic matter	0.50	Fair Shrink-swell	0.87	Good	
HlA: Haverson-----	94	Fair Low content of organic matter	0.50	Fair Shrink-swell	0.87	Good	
HoA: Haverson-----	95	Fair Low content of organic matter	0.50	Fair Shrink-swell	0.87	Good	
Hs: Hisle-----	80	Poor Too clayey Sodium content Droughty Depth to bedrock Salinity Water erosion	0.00 0.00 0.00 0.58 0.97 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.00	Poor Too Clayey Sodium content Salinity Depth to bedrock	0.00 0.00 0.00 0.58

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ht: Hisle-----	50	Poor Too clayey Sodium content Droughty Depth to bedrock Salinity Water erosion	0.00 0.00 0.00 0.58 0.97 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.00	Poor Too Clayey Sodium content Salinity Depth to bedrock	0.00 0.00 0.00 0.58
Swanboy-----	45	Poor Too clayey Low content of organic matter Droughty Salinity Water erosion	0.00 0.50 0.95 0.97 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey Salinity	0.00 0.00
Hv: Hoven-----	90	Poor Too clayey Sodium content Salinity Water erosion	0.00 0.00 0.88 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.79	Poor Depth to saturated zone Too Clayey Sodium content Salinity	0.00 0.00 0.00 0.00
KaA: Kadoka-----	90	Fair Low content of organic matter Depth to bedrock Water erosion Droughty	0.50 0.58 0.90 0.98	Poor Depth to bedrock Low strength	0.00 0.00	Fair Depth to bedrock Rock fragments	0.58 0.88
KaB: Kadoka-----	90	Fair Low content of organic matter Depth to bedrock Water erosion Droughty	0.50 0.58 0.90 0.98	Poor Depth to bedrock Low strength	0.00 0.00	Fair Depth to bedrock Rock fragments	0.58 0.88

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
KaC: Kadoka-----	85	Fair Low content of organic matter Depth to bedrock Water erosion Droughty	0.50 0.58 0.90 0.98	Poor Depth to bedrock Low strength	0.00 0.00	Fair Depth to bedrock Rock fragments	0.58 0.88
KbC: Kadoka-----	50	Fair Low content of organic matter Depth to bedrock Water erosion Droughty	0.50 0.58 0.90 0.98	Poor Depth to bedrock Low strength	0.00 0.00	Fair Depth to bedrock Rock fragments	0.58 0.88
Epping-----	40	Poor Droughty Low content of organic matter Depth to bedrock Water erosion	0.00 0.00 0.00 0.90	Not Rated Depth to bedrock	0.00	Poor Depth to bedrock	0.00
KeA: Keith-----	90	Fair Low content of organic matter Water erosion	0.12 0.90	Good		Good	
KeB: Keith-----	85	Fair Low content of organic matter Water erosion	0.12 0.90	Good		Good	
KhD: Keith-----	50	Fair Low content of organic matter Water erosion	0.12 0.90	Good		Fair Slope	0.84

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Colby-----	30	Fair Carbonate content Low content of organic matter Water erosion	0.46 0.50 0.90	Poor Low strength	0.00	Fair Carbonate content Slope	0.46 0.63
KhE: Keith-----	50	Fair Low content of organic matter Water erosion	0.12 0.90	Good		Fair Slope	0.63
Colby-----	30	Fair Carbonate content Low content of organic matter Water erosion	0.46 0.50 0.90	Poor Low strength	0.00	Poor Slope Carbonate content	0.00 0.46
KrA: Keith-----	50	Fair Low content of organic matter Water erosion	0.12 0.90	Good		Good	
Rosebud-----	45	Fair Depth to bedrock Droughty Low content of organic matter Water erosion	0.58 0.87 0.88 0.99	Poor Depth to bedrock	0.00	Fair Depth to bedrock	0.58
KuC: Keith-----	45	Fair Low content of organic matter Water erosion	0.12 0.90	Good		Good	
Ulysses-----	40	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength	0.00	Good	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
KyA: Swanboy-----	95	Poor Too clayey Low content of organic matter Droughty Salinity Water erosion	0.00 0.50 0.95 0.97 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey Salinity	0.00 0.00
KyB: Swanboy-----	95	Poor Too clayey Low content of organic matter Droughty Salinity Water erosion	0.00 0.50 0.95 0.97 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey Salinity	0.00 0.00
KzA: Kyle-----	90	Poor Too clayey Low content of organic matter Sodium content Water erosion	0.00 0.12 0.78 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey Sodium content Salinity	0.00 0.40 0.88
Le: Lamo-----	45	Fair Low content of organic matter Water erosion	0.88 0.90	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.53 0.87	Fair Depth to saturated zone	0.53
Elsmere-----	40	Poor Too sandy Wind erosion Low content of organic matter Droughty	0.00 0.00 0.12 0.99	Fair Depth to saturated zone	0.76	Poor Too sandy Depth to saturated zone	0.00 0.76

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Lm: Interior-----	80	Poor Sodium content Low content of organic matter Water erosion Carbonate content	0.00 0.12 0.90 0.92	Poor Low strength Shrink-swell	0.00 0.87	Poor Sodium content Carbonate content	0.00 0.92
Ls: Loup-----	75	Fair Low content of organic matter	0.12	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone	0.00
McB: Manvel-----	85	Fair Carbonate content Low content of organic matter Water erosion	0.46 0.50 0.90	Poor Low strength	0.00	Fair Carbonate content	0.46
Me: Minatare-----	80	Poor Too alkaline Sodium content Salinity Low content of organic matter Carbonate content Water erosion	0.00 0.00 0.00 0.12 0.97 0.99	Fair Depth to saturated zone	0.53	Poor Sodium content Depth to saturated zone Rock fragments Salinity	0.00 0.53 0.88 0.88
MgD: Minnequa-----	80	Fair Droughty Low content of organic matter Depth to bedrock Carbonate content Sodium content Water erosion	0.03 0.12 0.58 0.68 0.78 0.99	Not Rated Depth to bedrock	0.00	Fair Depth to bedrock Carbonate content Sodium content	0.58 0.68 0.78

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Mm: Mosher-----	60	Poor Sodium content Low content of organic matter Too clayey Salinity Water erosion	0.00 0.12 0.76 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.32	Poor Salinity Too Clayey Sodium content Hard to reclaim	0.00 0.44 0.90 0.98
Minatare-----	25	Poor Too alkaline Sodium content Salinity Low content of organic matter Carbonate content Water erosion	0.00 0.00 0.00 0.12 0.97 0.99	Fair Depth to saturated zone	0.53	Poor Sodium content Depth to saturated zone Rock fragments Salinity	0.00 0.53 0.88 0.88
OcE: Oglala-----	50	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Depth to bedrock Slope	0.58 0.92	Poor Slope	0.00
Canyon-----	35	Poor Droughty Depth to bedrock Low content of organic matter	0.00 0.00 0.88	Not Rated Depth to bedrock	0.00	Poor Depth to bedrock Rock fragments Slope	0.00 0.03 0.37
OeC: Orella-----	80	Poor Droughty Depth to bedrock Too clayey Sodium content Salinity Low content of organic matter Water erosion	0.00 0.00 0.00 0.00 0.88 0.88 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.39	Poor Depth to bedrock Too Clayey Sodium content Salinity	0.00 0.00 0.00 0.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Os: Orella-----	55	Poor Droughty Depth to bedrock Too clayey Sodium content Salinity Low content of organic matter Water erosion	0.00 0.00 0.00 0.00 0.88 0.88 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.39	Poor Depth to bedrock Too Clayey Sodium content Salinity Slope	0.00 0.00 0.00 0.00 0.63
Rock Outcrop, Soft--	25	Not rated		Not rated		Not rated	
PcE: Enning-----	40	Poor Droughty Carbonate content Depth to bedrock Low content of organic matter Water erosion	0.00 0.00 0.00 0.50 0.90	Poor Depth to bedrock Low strength	0.00 0.00	Poor Carbonate content Depth to bedrock Slope	0.00 0.00 0.16
Minnequa-----	40	Fair Droughty Low content of organic matter Depth to bedrock Carbonate content Sodium content Water erosion	0.03 0.12 0.58 0.68 0.78 0.99	Not Rated Depth to bedrock	0.00	Fair Depth to bedrock Carbonate content Sodium content	0.58 0.68 0.78
Pd: Enning-----	55	Poor Droughty Carbonate content Depth to bedrock Low content of organic matter Water erosion	0.00 0.00 0.00 0.50 0.90	Poor Depth to bedrock Slope Low strength	0.00 0.00 0.00	Poor Slope Carbonate content Depth to bedrock	0.00 0.00 0.00
Rock Outcrop, Soft--	25	Not rated		Not rated		Not rated	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
PeC: Pierre-----	85	Poor Too clayey Droughty Low content of organic matter Depth to bedrock Sodium content Water erosion	0.00 0.00 0.50 0.58 0.90 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock Sodium content	0.00 0.58 0.90
PsE: Pierre-----	60	Poor Too clayey Droughty Low content of organic matter Depth to bedrock Sodium content Water erosion	0.00 0.00 0.50 0.58 0.90 0.99	Poor Depth to bedrock Shrink-swell Low strength Slope	0.00 0.00 0.00 0.50	Poor Slope Too Clayey Depth to bedrock Sodium content	0.00 0.00 0.58 0.90
Samsil-----	25	Poor Too clayey Droughty Depth to bedrock Low content of organic matter Water erosion	0.00 0.00 0.00 0.50 0.99	Not Rated Depth to bedrock Slope	0.00 0.92	Poor Too Clayey Depth to bedrock Slope	0.00 0.00 0.00
RaA: Richfield-----	45	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength Shrink-swell	0.00 0.75	Good	
Altvan-----	40	Fair Low content of organic matter Water erosion	0.88 0.99	Poor Low strength	0.00	Fair Hard to reclaim	0.92
RaB: Richfield-----	45	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength Shrink-swell	0.00 0.75	Good	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Altvan-----	40	Fair Low content of organic matter Water erosion	0.88 0.99	Poor Low strength	0.00	Fair Hard to reclaim	0.92
RdA: Richfield-----	55	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength Shrink-swell	0.00 0.75	Good	
Dawes-----	35	Poor Too clayey Too alkaline Low content of organic matter Water erosion	0.00 0.00 0.88 0.90	Poor Low strength Shrink-swell	0.00 0.67	Poor Too Clayey	0.00
ReB: Rosebud-----	50	Fair Depth to bedrock Droughty Low content of organic matter Water erosion	0.58 0.82 0.88 0.99	Poor Depth to bedrock	0.00	Fair Depth to bedrock	0.58
Canyon-----	35	Poor Droughty Depth to bedrock Low content of organic matter	0.00 0.00 0.88	Not Rated Depth to bedrock	0.00	Poor Depth to bedrock Rock fragments	0.00 0.03
RkC: Rosebud-----	60	Fair Depth to bedrock Droughty Low content of organic matter Water erosion	0.58 0.82 0.88 0.99	Poor Depth to bedrock	0.00	Fair Depth to bedrock	0.58
Keith-----	30	Fair Low content of organic matter Water erosion	0.12 0.90	Good		Good	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ss: Samsil-----	60	Poor Too clayey Droughty Depth to bedrock Low content of organic matter Water erosion	0.00 0.00 0.00 0.50 0.99	Not Rated Depth to bedrock Slope	0.00 0.00	Poor Slope Too Clayey Depth to bedrock	0.00 0.00 0.00 0.00
Rock Outcrop, Soft--	20	Not rated		Not rated		Not rated	
Sw: Swanboy-----	80	Poor Too clayey Low content of organic matter Droughty Salinity Water erosion	0.00 0.50 0.95 0.97 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey Salinity	0.00 0.00
TaF: Tassel-----	60	Poor Droughty Depth to bedrock	0.00 0.00	Poor Depth to bedrock Slope	0.00 0.82	Poor Depth to bedrock Slope	0.00 0.00
Anselmo-----	30	Fair Low content of organic matter	0.12	Good		Fair Slope	0.04
Te: Epping-----	50	Poor Droughty Low content of organic matter Depth to bedrock Water erosion	0.00 0.00 0.00 0.90	Not Rated Depth to bedrock Slope	0.00 0.08	Poor Slope Depth to bedrock	0.00 0.00
Mitchell-----	30	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Slope	0.08	Poor Slope	0.00

Section II
Soil and Site Information

Construction Materials Table 2
Shannon County, South Dakota

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
TnA: Tuthill-----	45	Good		Good		Good	
Anselmo-----	40	Fair Low content of organic matter	0.12	Good		Good	
TnC: Tuthill-----	40	Good		Good		Good	
Anselmo-----	40	Fair Low content of organic matter	0.12	Good		Good	
TuA: Tuthill-----	45	Good		Good		Good	
Manter-----	45	Fair Low content of organic matter	0.50	Good		Fair Rock fragments	0.97
TuB: Tuthill-----	45	Good		Good		Good	
Manter-----	40	Fair Low content of organic matter	0.50	Good		Fair Rock fragments	0.97
TuC: Tuthill-----	45	Good		Good		Good	
Manter-----	40	Fair Low content of organic matter	0.50	Good		Fair Rock fragments	0.97

Section II
Soil and Site Information

Construction Materials Table 2
Shannon County, South Dakota

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
UcC: Ulysses-----	40	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength	0.00	Good	
Colby-----	30	Fair Carbonate content Low content of organic matter Water erosion	0.46 0.50 0.90	Poor Low strength	0.00	Fair Carbonate content	0.46
VaC: Valentine-----	85	Poor Too sandy Wind erosion Low content of organic matter Droughty	0.00 0.00 0.12 0.71	Good		Poor Too sandy Slope	0.00 0.63
VaD: Valentine-----	90	Poor Too sandy Wind erosion Low content of organic matter Droughty	0.00 0.00 0.12 0.71	Poor Slope	0.00	Poor Slope Too sandy	0.00 0.00
Vs: Valentine-----	90	Poor Too sandy Wind erosion Low content of organic matter Droughty	0.00 0.00 0.12 0.71	Fair Slope	0.92	Poor Too sandy Slope	0.00 0.00
w: Water (less Than 40 Acres)-----	100	Not rated		Not rated		Not rated	

Section II
Soil and Site Information

Construction Materials Table 2
Shannon County, South Dakota

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
wa: Water (greater Than 40 Acres)-----	100	Not rated		Not rated		Not rated	
Ww: Wortman-----	50	Poor Sodium content Droughty Depth to bedrock Salinity Water erosion	0.00 0.41 0.58 0.88 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.22 0.82	Poor Sodium content Salinity Depth to bedrock	0.00 0.00 0.58
Wanblee-----	30	Fair Droughty Depth to bedrock Too clayey Salinity Sodium content Water erosion	0.35 0.58 0.88 0.88 0.90 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.75	Poor Salinity Depth to bedrock Too Clayey Sodium content	0.00 0.58 0.68 0.90

